

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2266	((324/426-428) or (320/132,149)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/25 17:35
L2	56	L1 and @pd>="20060710"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:36
L3	22633	(battery or accumulator or ((electrical or energy) near2 storage)) and (vehicle or automobile or automotive or car or transportation) and (volt\$1meter or (voltage near4 (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) and (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:36
L4	5084	L3 and (integration or integrating or integrate) and (function or equation or formula)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:36
L5	745	L4 and ((weighing or weighting or weigh\$2 or weight\$2) with (variable or function or factor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:36
L6	74	L5 and @pd>="20060120"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:36
L7	465	L5 and (state\$1of\$1charge or state\$1of\$1health or S\$1O\$1C\$1 or S\$1O\$1H\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:36
L8	49	L7 and @pd>="20060120"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:36

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L9	35	(L6 or L8) and @pd>="20060710"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:52
L10	6169	(battery or accumulator or ((electrical or energy) near2 storage)) and (vehicle or automobile or automotive or car or transportation) and (volt\$1meter or (voltage near4 (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) and (state\$1of\$1charge or state\$1of\$1health or SOC or SOH or (state near4 (accumulator or storage or battery)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:52
L11	606	L10 and (((weighing or weighting or weigh\$2 or weight\$2) with (variable or function or factor))) or ((amplification or amplify) with (variable or function or factor)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:52
L12	370	L11 and (integration or integrating or integrate) and (function or equation or formula)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:52
L13	35	L12 and @pd>="20060120"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:52
L14	18	L13 and @pd>="20060710"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:54

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L15	1	((battery or accumulator or ((electrical or energy) near2 storage)) AND (vehicle or automobile or automotive or car or transportation) AND (volt\$1meter or (voltage with (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) AND (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH) AND (integration or integrating or integrate) and (function or equation or formula or deriv\$5) AND (weighing or weighting or weigh\$2 or weight\$2) AND (variable or function or factor) AND (upper with (threshold or limit)) AND (lower with (threshold or limit))).clm.	US-PGPUB	OR	ON	2006/10/25 18:07
L16	1	((battery or accumulator or ((electrical or energy) same storage)) AND (vehicle or automobile or automotive or car or transportation) AND (volt\$1meter or (voltage same (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) AND (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH) AND (integration or integrating or integrate) and (function or equation or formula or deriv\$5 or factor or variable) AND (weighing or weighting or weigh\$2 or weight\$2) AND (upper same (threshold or limit or value)) AND (lower same (threshold or limit or value))).clm.	US-PGPUB	OR	ON	2006/10/25 18:09
L17	1	((battery or accumulator or ((electrical or energy) same storage)) AND (vehicle or automobile or automotive or car or transportation) AND (volt\$1meter or (voltage same (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) AND (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH) AND (integration or integrating or integrate) AND (weighing or weighting or weigh\$2 or weight\$2) AND (upper same (threshold or limit or value)) AND (lower same (threshold or limit or value))).clm.	US-PGPUB	OR	ON	2006/10/25 18:09

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L18	1	((battery or accumulator or ((electrical or energy) same storage)) AND (volt\$1meter or (voltage same (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) AND (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH) AND (integration or integrating or integrate) AND (weighing or weighting or weigh\$2 or weight\$2) AND (upper same (threshold or limit or value)) AND (lower same (threshold or limit or value))).clm.	US-PGPUB	OR	ON	2006/10/25 18:10
L19	1	((battery or accumulator or ((electrical or energy) same storage)) AND (volt\$1meter or (voltage same (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) AND (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH) AND (integration or integrating or integrate) AND (weighing or weighting or weigh\$2 or weight\$2) AND ((upper or high or peak or top) same (threshold or limit or value)) AND ((lower or low or valley or bottom) same (threshold or limit or value))).clm.	US-PGPUB	OR	ON	2006/10/25 18:10
L20	1	((battery or accumulator or ((electrical or energy) same storage)) AND (volt\$1meter or (voltage same (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) AND (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH) AND (integration or integrating or integrate) AND (weighing or weighting or weigh\$2 or weight\$2) AND (upper or high or peak or top) AND (threshold or limit or value) AND (lower or low or valley or bottom)).clm.	US-PGPUB	OR	ON	2006/10/25 18:11

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L22	7	((battery or accumulator or ((electrical or energy) same storage)) AND voltage AND (sens\$3 or detect\$3 or monitor\$3 or measur\$3) AND (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH) AND (weighing or weighting or weigh\$2 or weight\$2) AND (upper or high or peak or top) AND (threshold or limit or value) AND (lower or low or valley or bottom)).clm.	US-PGPUB	OR	ON	2006/10/25 18:13
L25	29	((battery or accumulator or ((electrical or energy) same storage)) AND voltage AND (integrat\$4 or deriv\$5) AND (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH) AND (weighing or weighting or weigh\$2 or weight\$2)).clm.	US-PGPUB	OR	ON	2006/10/25 18:19
S1	762	(324/426).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/10 10:42
S2	100	(324/428).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/23 15:04
S3	2	("4388618").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/23 15:14
S4	228	(320/149).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/23 15:23
S5	3	("4193026").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/23 15:32
S6	2132	((324/426-428) or (320/132,149)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/24 08:17

## EAST Search History

S7	20496	(battery or accumulator or ((electrical or energy) near2 storage)) and (vehicle or automobile or automotive or car or transportation) and (volt\$1meter or (voltage near4 (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) and (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/24 14:40
S8	4457	S7 and (integration or integrating or integrate) and (function or equation or formula)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:55
S9	671	S8 and ((weighing or weighting or weigh\$2 or weight\$2) with (variable or function or factor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:56
S10	18	S9 and ((open\$1circuit or O\$1C\$1) with voltage) and ((upper or high or maximum or max) with threshold) and ((lower or low or minimum or min) with threshold)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/24 15:00
S11	416	S9 and (state\$1of\$1charge or state\$1of\$1health or S\$1O\$1C\$1 or S\$1O\$1H\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/24 08:33
S12	82	S9 and ((open\$1circuit or O\$1C\$1) with voltage) and ((upper or high or maximum or max) with (threshold or limit\$3)) and ((lower or low or minimum or min) with (threshold or limit\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/24 08:40
S13	5436	(battery or accumulator or ((electrical or energy) near2 storage)) and (vehicle or automobile or automotive or car or transportation) and (volt\$1meter or (voltage near4 (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) and (state\$1of\$1charge or state\$1of\$1health or SOC or SOH or (state near4 (accumulator or storage or battery)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/24 14:42
S15	539	S13 and (((weighing or weighting or weigh\$2 or weight\$2) with (variable or function or factor))) or ((amplification or amplify) with (variable or function or factor)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/24 14:58

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S17	335	S15 and (integration or integrating or integrate) and (function or equation or formula)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/24 14:59
S20	55	S17 and (((open\$1circuit or O\$1C\$1) near4 voltage) or o\$1c\$1voltage) and ((upper or high or maximum or max) with (threshold or limit\$3)) and ((lower or low or minimum or min) with (threshold or limit\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/24 15:03
S21	64	S17 and (((open\$1circuit or O\$1C\$1) near4 voltage) or o\$1c\$1voltage) and (threshold or limit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/24 15:04
S22	2132	((324/426-428) or (320/132,149)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/24 15:04
S23	12	S21 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/24 15:04
S24	29	(US-20030076109-\$ or US-20030117143-\$ or US-20030214303-\$).did. or (US-4193026-\$ or US-4388618-\$ or US-4740754-\$ or US-5179340-\$ or US-5315253-\$ or US-5578915-\$ or US-5596262-\$ or US-5617324-\$ or US-5640150-\$ or US-5648717-\$ or US-5672951-\$ or US-5691078-\$ or US-5744931-\$ or US-5798934-\$ or US-6103408-\$ or US-6191590-\$ or US-6211653-\$ or US-6313606-\$ or US-6356083-\$ or US-6359419-\$ or US-6507194-\$ or US-6522148-\$ or US-6693577-\$ or US-6789026-\$ or US-6891355-\$ or US-6979987-\$). did.	US-PGPUB; USPAT	OR	ON	2006/01/26 14:30
S25	22	S24 and (voltage with (threshold or limit\$3))	US-PGPUB; USPAT	OR	ON	2006/01/26 14:31
S26	13	("4595880"   "5187424"   "5563496"   "5796239"   "5963016"   "6262577").PN. OR ("6359419"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/26 16:16

## EAST Search History

S27	2210	((324/426-428) or (320/132,149)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/10 10:42
S28	78	S27 and @pd>="20060120"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:35
S29	21814	(battery or accumulator or ((electrical or energy) near2 storage)) and (vehicle or automobile or automotive or car or transportation) and (volt\$1meter or (voltage near4 (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) and (state or state\$1of\$1charge or state\$1of\$1health or SOC or SOH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 10:44
S30	4858	S29 and (integration or integrating or integrate) and (function or equation or formula)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 10:44
S31	710	S30 and ((weighing or weighting or weigh\$2 or weight\$2) with (variable or function or factor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 10:44
S32	39	S31 and @pd>="20060120"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 10:45
S33	439	S31 and (state\$1of\$1charge or state\$1of\$1health or S\$1O\$1C\$1 or S\$1O\$1H\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 10:45
S34	23	S33 and @pd>="20060120"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 10:47



## EAST Search History

S35	5879	(battery or accumulator or ((electrical or energy) near2 storage)) and (vehicle or automobile or automotive or car or transportation) and (volt\$1meter or (voltage near4 (sens\$3 or detect\$3 or monitor\$3 or measur\$3))) and (state\$1of\$1charge or state\$1of\$1health or SOC or SOH or (state near4 (accumulator or storage or battery)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 10:47
S36	575	S35 and (((weighing or weighting or weigh\$2 or weight\$2) with (variable or function or factor))) or ((amplification or amplify) with (variable or function or factor)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 10:47
S37	352	S36 and (integration or integrating or integrate) and (function or equation or formula)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 10:47
S38	17	S37 and @pd>="20060120"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 10:47